

Message Text

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ORIGIN AEC-11

INFO OCT-01 EUR-25 ADP-00 SCI-06 CU-04 L-03 CIAE-00 INR-09

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TO AMEMBASSY MOSCOW

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E. O. 11652: N/ A

TAGS: OEXC, TECH, UR

FOR SCIATT FROM AEC

SUBJECT: EXCHANGES: HIGH ENERGY PHYSICS: US- USSR COLLABOR-
ATION AT BATAVIA

REF: MOSCOW 2189

1. MOROKHOV HAS CABLED THAT SCAE PHYSICISTS WILL RETURN TO
NAL IN ABOUT A MONTH TO COMPLETE EXPERIMENT.

2. IN RESPONSE TO QUERIES RAISED IN REFERENCE, NAL INDICATES
PLANS ARE QUITE FIRM TO TAKSDATA AT HIGHER ENERGY BY JUNE
TO SATISFY OBJECTIVES OF PROTON- PROTON SCATTERING EXPERIMENT.
ALSO BELIEVES INITIAL PUBLICATION COULD BE COMPLETED BY TARGET
DATE. ADDITIONAL INTERPRETATION OF DATA COULD CONTINUE BEYOND
JUNE; HOWEVER, IF NECESSARY, COULD BE ACCOMPLISHED THROUGH
INDIVIDUAL VISITS OF PARTICIPANTS FROM BOTH SIDES.

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3. WORK IS ADDITIONALLY PLANNED ON AN EXTENSION OF THE PROTON- PROTON DATA TO PROTON- DEUTERIUM INTERACTIONS USING DEUTERIUM GAS WITH JET TARGET AT NAL (FRIEDMAN- SMOLIN LTR OF DECEMBER 11, 1972). NOW ESTIMATED THIS WORK WOULD CONTINUE BEYOND JUNE. SOVIET SCIENTISTS HAVE EXPRESSED INTEREST IN PARTICIPATING IN THIS EXTENSION AT NAL AS WELL AS IN OBTAINING DATA FOR ANALYSIS IN THE USSR. IT WOULD SIMPLIFY MATTERS IF BOTH PARTIES AGREED THE PROTON- DEUTERON DATA BE CONSIDERED MERELY AS A FOLLOW- ON TO THE PROTON- PROTON EXPERIMENT AND BE COVERED BY ANNEX I. IF NOT, A NEW ANNEX WOULD BE REQUIRED AND WE SHOULD START DRAFTING AT AN EARLY DATE.

4. THE CONTINUATION OF THE PROTON- PROTON EXPERIMENT AT HIGHER ENERGIES WAS ONLY DECIDED RECENTLY. THE MATTER WAS BROUGHT TO ATTENTION OF SCAE BY WILSON AND RAY BECAUSE SOVIET PARTICIPANTS APPARENTLY DID NOT ARRANGE CONTINUATION THROUGH OWN CHANNELS.

5. PLEASE INFORM SCAE THAT AEC AND NAL PLEASED SOVIETS WILL CONTINUE PARTICIPATION IN PROTON- PROTON EXPERIMENT AND LOOK FORWARD TO FURTHER COLLABORATION ON PROTON- DEUTERON RESEARCH. OBTAIN SCAE REACTION TO UTILIZING ANNEX I FOR EXTENSION OF COLLABORATION AND REQUEST AEC BE ADVISED IN ADVANCE OF TRAVEL PLANS OF PARTICIPANTS. ROGERS

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*** Current Classification *** UNCLASSIFIED

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